

Comparisons of Job Characteristics

Focus Occupation: [Construction Laborers \(47-2061\)](#)

Associated Occupation: [Pipelayers \(47-2151\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Construction Laborers (47-2061)

Associated Occupation: Pipelayers (47-2151)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	8.1	11.2	>> Current knowledge level is likely more than sufficient
Building and Construction	4.0	6.9	16.8	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Construction Laborers (47-2061)

Associated Occupation: Pipelayers (47-2151)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	9.2	8.1	< A higher skill level may be required
Operation Monitoring	6.6	9.1	7.9	< A higher skill level may be required
Quality Control Analysis	5.9	8.2	5.5	<< Extensive development of skills in this area may be required
Troubleshooting	4.5	7.5	4.8	<< Extensive development of skills in this area may be required
Repairing	3.4	7.3	4.0	<< Extensive development of skills in this area may be required
Equipment Maintenance	3.5	6.7	4.6	<< Extensive development of skills in this area may be required
Equipment Selection	3.3	6.4	5.3	< A higher skill level may be required
Installation	1.7	3.7	2.9	< A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 86			
Focus Occupation: Construction Laborers (47-2061) Associated Occupation: Pipelayers (47-2151)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	10.3	9.6	0	Current ability level may be sufficient
Depth Perception	5.3	9.0	6.8	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	8.5	7.7	<	Some improvement in abilities may be required
Stamina	4.0	6.8	8.6	>	Current ability level is likely sufficient
Rate Control	3.8	6.6	6.7	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 86
Focus Occupation: Construction Laborers (47-2061) Associated Occupation: Pipelayers (47-2151)		
Work Activities	Exclusivity of Activity	
Adhere to safety procedures	12	
Apply adhesives, caulking, sealants, or coatings	45	
Assemble and install pipe sections, fittings, or plumbing fixtures	71	
Build or repair structures in construction, repair, or manufacturing setting	54	
Cut, shape, fit, or join wood or other construction materials	58	
Dig holes or trenches for foundations, posts, poles, or related items	78	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Grade or redistribute earth for roads or other construction	87	
Move or fit heavy objects	8	
Operate land or site surveying instruments	80	
Operate pneumatic tamper to patch pavement or tamp earth	89	
Operate power construction equipment	84	
Operate power driven pumps	66	
Perform safety inspections in construction or resource extraction setting	46	
Read tape measure	41	
Signal directions or warnings to coworkers	42	
Understand construction specifications	53	
Use hand or power tools	2	

Use hazardous materials information	35
Use measuring devices in construction or extraction work	41
Verify levelness or verticality, using level or plumb bob	72
Work as a team member	36

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 85

Focus Occupation: Construction Laborers (47-2061)
Associated Occupation: Pipelayers (47-2151)

Tools and Technologies	Exclusivity
Aerial lifts	13
Cleaning equipment	11
Compressors	9
Dispensing tools	6
Drilling and operation machinery	29
Earth moving machinery	11
Face and head protection	7
Forming tools	2
Garden tools	12
Holding and clamping tools	3
Indicating and recording instruments	2
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Machine tools	7
Measuring and layout tools	3
Pneumatic tools	8
Power generators	16
Power tools	2
Prying and bending tools	10
Pumps	9
Rough and finishing tools	5
Soldering and brazing and welding machinery and supplies	6
Tool attachments and accessories	12
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.